



ATRB Brief

8 April 2004



C/KC-130





Current KC-130 IFR Systems

- **No Variable Speed Drogue in Inventory**
 - **Low Speed**
 - **Helicopters**
 - **105-130 KIAS**
 - **High Speed**
 - **Tilt-Rotor / Tactical Jets**
 - **185-250 KIAS**
- **Limited Operational Deployment**
 - **Different drogues required for each above requirement**
 - **Limits multiple mission tasking**
 - **Requires on-deck maintenance drogue transition**



IFR Variable Speed Drogue

- **KC-130J Clarification Letter Requirement:**
 - **Objective - “Variable Speed Drogues (VSD) capable of aerial refueling from 105 - 140 KIAS and 170-250 KIAS or aircraft Vh, whichever is higher.”**



IFR Variable Speed Drogue

(Cont)

- **Vision 2015**
 - **Improving efficiency**
 - **Multi Mission Capability**
 - **Eliminates on deck drogue transition**
 - **Multiple Platforms**
 - **CH-53**
 - **MV-22**
 - **MH-60**
 - **AV-8**
 - **F-18**
 - **JSF**